

Attorney/Docket No. 24061.32 (TSMC2002-1078)
Customer No. 000027683

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
Lin et al.

Serial No. 10/678,699

Filed: October 3, 2003

For: MULTI-SENSING LEVEL MRAM
STRUCTURE WITH DIFFERENT
MAGNETORESISTANCE RATIOS

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§ Group Art Unit: Unknown
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§ Examiner: Unknown
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INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:


In compliance with the duty of disclosure under 37 CFR §1.56, and in accordance with the practice under 37 CFR §1.97 and §1.98, the Examiner's attention is directed to the documents listed on the enclosed modified Form PTO-1449. No inference should be made that the cited references are in fact material, are in fact prior art, or that no better art exists. The cited patents are listed in numerical order and are not in any order based on their pertinence.

This Information Disclosure Statement is being filed within three months of the United States filing date or before the mailing date of a first Office Action on the merits. No certification or fee is required (37 CFR §1.97(b)).

The Commissioner is hereby authorized to charge any additional fees, which may be required or credit any overpayment to Deposit Account 08-1394.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

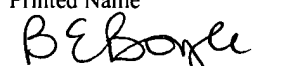
Respectfully submitted,

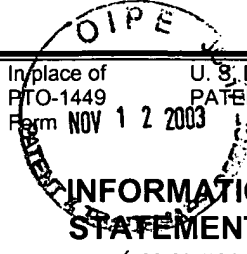

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 11-10-03

Bonnie Boyle
Printed Name


<p>  INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> </p>	<p style="text-align: right;"><i>Complete if Known</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Application Number</td> <td>10/678,699</td> </tr> <tr> <td>Filing Date</td> <td>October 3, 2003</td> </tr> <tr> <td>Applicant(s)</td> <td>Lin et al.</td> </tr> <tr> <td>Art Unit</td> <td>Unknown</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> <tr> <td>Attorney Docket Number</td> <td>24061.32</td> </tr> </table>	Application Number	10/678,699	Filing Date	October 3, 2003	Applicant(s)	Lin et al.	Art Unit	Unknown	Examiner Name	Unknown	Attorney Docket Number	24061.32
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U. S. PATENT DOCUMENTS				
Examiner's Initials	Cite No.	Document Number	Publication Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document
	AA	5,930,165	7/27/1999	Zhu
	AB	6,005,800	12/21/1999	Koch et al.
	AC	6,055,178	4/25/2000	Naji
	AD	6,072,718	6/6/2000	Abraham et al.
	AE	6,331,943 B1	12/18/2001	Naji et al.
	AF	6,335,890 B1	1/1/2002	Reohr et al.
	AG	6,349,054 B1	2/19/2002	Hidaka
	AH	6,473,337 B1	10/29/2002	Tran et al.
	AI	6,483,734 B1	11/19/2002	Sharma et al.

FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Cite No.	Foreign Patent Document <small>(Country Code - Number - Kind)</small>	Publication Date <small>MM-DD-YYYY</small>	Patentee or Applicant of Cited Document	Translation <small>Y/N</small>

OTHER PRIOR ART		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS); title of the article; title of the item; date; page(s); volume-issue number(s); publisher; city/country where published

Examiner Signature	Date Considered
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.